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In the claims:

Please cancel Claims 1-38 without prejudice or disclaimer.

Please add new Claims 39-58 as follows.

39. (New) An isolated nucleic acid having at least 80% nucleic acid sequence identity to:
- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339);
  - (b) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;
  - (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339);
  - (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;
  - (e) the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338);
  - (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338); or
  - (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

40. (New) The isolated nucleic acid of Claim 39 having at least 85% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;

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(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

41. (New) The isolated nucleic acid of Claim 39 having at least 90% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

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42. (New) The isolated nucleic acid of Claim 39 having at least 95% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;
- (e) the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

43. (New) The isolated nucleic acid of Claim 39 having at least 99% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;

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- Seq 3
- (e) the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338);  
(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338); or  
(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

44. (New) An isolated nucleic acid comprising:
- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339);  
(b) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;  
(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339);  
(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;  
(e) the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338);  
(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338); or  
(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

45. (New) The isolated nucleic acid of Claim 44 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339).

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46. (New) The isolated nucleic acid of Claim 44 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide.

47. (New) The isolated nucleic acid of Claim 44 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339).

48. (New) The isolated nucleic acid of Claim 44 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide.

49. (New) The isolated nucleic acid of Claim 44 comprising the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338).

50. (New) The isolated nucleic acid of Claim 44 comprising the full-length coding sequence of the nucleic acid sequence shown in Figure 117 (SEQ ID NO:338).

51. (New) The isolated nucleic acid of Claim 44 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

52. (New) An isolated nucleic acid that hybridizes to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;

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(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 118 (SEQ ID NO:339), lacking its associated signal peptide;

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 117

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209490.

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55. (New) A vector comprising the nucleic acid of Claim 39.

57. (New) A host cell comprising the vector of Claim 55.

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Applicants respectfully request entry of these new claims for prosecution in this application.  
The Examiner is invited to contact the undersigned at (650) 225-4461 if any issues may be resolved in that manner.

Respectfully submitted,  
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